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[0059] Fig. 46 is a screen shot of an Information Space display showing integration of a text visualization method, in accordance with various embodiments of the invention, with other system visualization components.

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[0060] Figs. 47a-d illustrate a directory layout procedure. Fig. 47a illustrates a downprojection of directory centroids via MDS. Fig. 47b illustrates establishment of directory region areas, Fig. 47c illustrates triangulation of centroids and initialization of force-directed placement routine, and Fig. 47d results of force-directed layout. The procedure continues recursively, generating layouts for the subdirectories of the root-level directories in a similar fashion.

[0061] Fig. 48 is a screen shot of an example of a representation of the output of a site/directory layout and pseudoterrain generation procedures.

[0062] Fig. 49 is a screen shot of a "pan-tree" representation of a large Windows directory in accordance with embodiments for visualizing hierarchies.

[0063] Fig. 50 is a screen shot of the pan-tree of Fig. 49 after a query.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Introduction

[0064] Disclosed herein are various embodiments of a system 10 that couples information modeling and management functionality with a visualization-oriented user interface. This approach makes relationships that exist among the items in the system 10 visible, enabling exciting and powerful forms of information access, exploitation, and control.

[0065] In some embodiments, a single, integrated, information system 10 is provided capable of a variety of different types of information visualization capabilities and capable of supporting a wide range of analytical functions. This